

**AMENDMENTS TO THE SPECIFICATION**

**Please replace the paragraph starting on page 6, line 35 and continuing on page 7, with the following amended paragraph:**

The first domain (A1) is equipped with a measuring appliance (M1) which is responsible for performing local measurements on the values taken by the parameters of local end-to-end streams (F11 and ~~F21~~ F12). For example, this measuring appliance (M1) implements a measuring process based upon a measurement model which has been prepared from modelling of the first network (or domain, A1) and the ~~behaviour~~ behavior of the various types of stream which transit within this domain (A1). Such a measuring process is used to estimate some parameter values of end-to-end streams from some parameters of network A1, extracted from certain of its network equipment (routers, switches, servers, etc.) via their management information databases (MIB) or via requests based upon dedicated commands of the command line interface (CLI) type for example.

**Please replace the paragraph on page 7, lines 11-23, with the following amended paragraph:**

The second domain (A2) is equipped with a measuring appliance which is responsible for performing local measurement of values taken by the parameters of the local end-to-end streams (F12). For example, this measuring appliance (M2) implements a measuring process based on the passive measurement of all types of stream (F12) and all of their packets. It is therefore connected to the edge routers (R2 and R3) in which observation agents are installed or to which they are connected. Measuring appliances which implement this passive measuring process are commercialised in the form of "middle boxes" by the Fidelia, Brix Network and Ipanema companies in particular. ~~The detailed operation of these middle boxes can be found at internet addresses:~~

- "http://www.ipanematech.com",
- "http://www.brixnetworks.com", and
- "http://www.fidelia.com/news\_updates/netvigil.phtml" in particular.

**Please replace the paragraph starting on page 7, line 24 and continuing on page 8, with the following amended paragraph:**

The third domain (A3) is equipped with a measuring appliance (M3) which is responsible for the local measurement of values taken by parameters of the local end-to-end streams (F22). For example, this measuring appliance (M3) implements a measuring process based on active measurements carried out regularly (periodically) between the input router (R5) and the output router (R6) on the additional "tagged" stream. These active measurements are performed by observation agents installed in the edge routers (R5 and R6) or connected to them. This process delivers measurements which are representative of average values. Several types of tagged stream are generally used in order to be representative of the different types of stream (TCP, UDP, DCSP, etc.) which actually transit through the domain (A3). Measuring appliances which implement this active measuring process are ~~commercialised~~ commercialized by the Allot, Cisco, Agilent and NetIQ companies in particular. ~~The detailed operation of these appliances can be found at internet addresses:~~

———"http://www.allot.com",  
———"http://www.cisco.com/warp/public/126/saa.html",  
———"http://www.agilent.com/cm/rdmfg/firehunter/" and  
———"http://www.netiq.com/products/chr/default.asp" in particular.

**Please replace the paragraph on page 10, lines 15-21, with the following amended paragraph:**

~~More preferably the~~ The management device (G) (D) includes a configuration interface (IC), coupled to the configuration module (MC) and arranged in the shape of interface modules (IMj), each of which is dedicated to one type of measuring process. This configuration interface (IC) is also coupled to the calculation means (CM) so as to supply them with the local measurements, collected by its interface modules (IMj) from the various measuring appliances (Mi) in the domains (Ai) of the multidomain network (N).

**Please replace the paragraph starting on page 11, line 34 and continuing on page 12, with the following amended paragraph:**

It is also possible to provide an automatic search procedure for the configuration capacities of the various measuring appliances (Mi) of the multidomain network (N), so as to facilitate the creation of local configurations for the said measuring appliances by the configuration module (MC). In this case, the ~~configuration monitoring~~ means (MM) ~~include~~ includes a search stage, coupled to the configuration module (MC) and to the configuration interface (IC), and responsible, when the configuration module (MC) so requires, for executing the search for the configuration capacities of the measurement means (Mi) of the network (N). This requires the installation of search means for information concerning the capacities of the equipment.

**Please replace the paragraph on page 14, lines 12-16, with the following amended paragraph:**

The management device (~~G~~) (D) can also include, as illustrated, an output interface (IS) coupled to the first memory (B1) and/or to the calculation means (CM). The output interface (IS) is intended to deliver at its output the first data (overall measurements) and/or the second data (relative and/or absolute contributions).